

HEAD .. END 212 AVDIO EQUIPMENT (HEE) SOURCE ENCODING CABLE MODEM VIDEO UNIT SOURCE 222 GUIDE BALA 232 130 Marines. 228 TO OTHER Neighborhard, 200 DISTRIBUTION NETWORK 206, 206n 2062 SUBSCRIBER EDUIPMENT SE SE (SE) RECEIVER 224 Figure 2 DISPLAY. 726

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FIGURE 3

216 400 408 PROCESSOR VIDEO ENCODER UNIT COMPOSITIOR 410 VIDEO . VIDEO TO TINU CABLE 412 AUDIO MODEM 406 222 AUDIO CONTROLLER 402 PROCESSOR GRAPHICS SLICE-FORM GUIDE GRID PAGE GUIDE GUIDE DATA DATABASE BATA ENCODER GRID GENER ATOR 418 -416

FIGURE 4

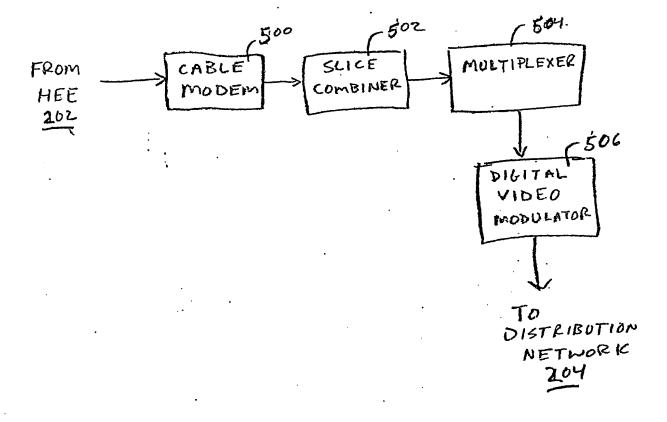
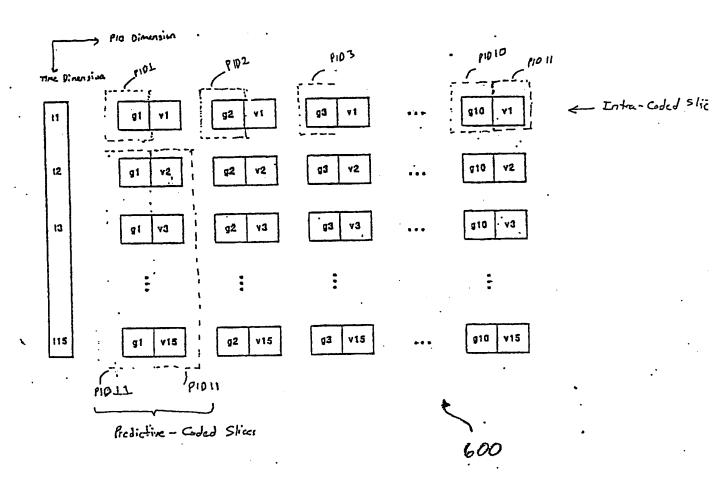


FIGURE 5



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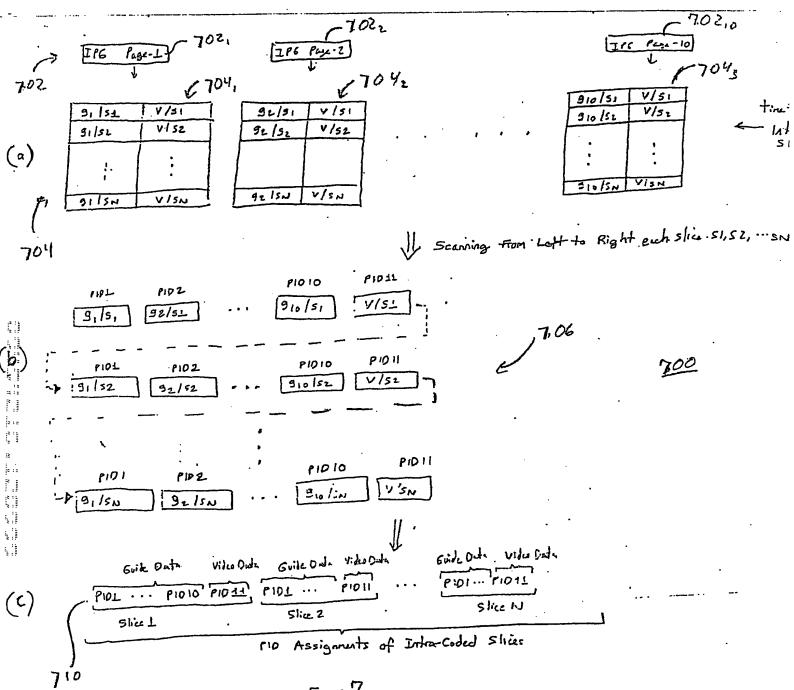
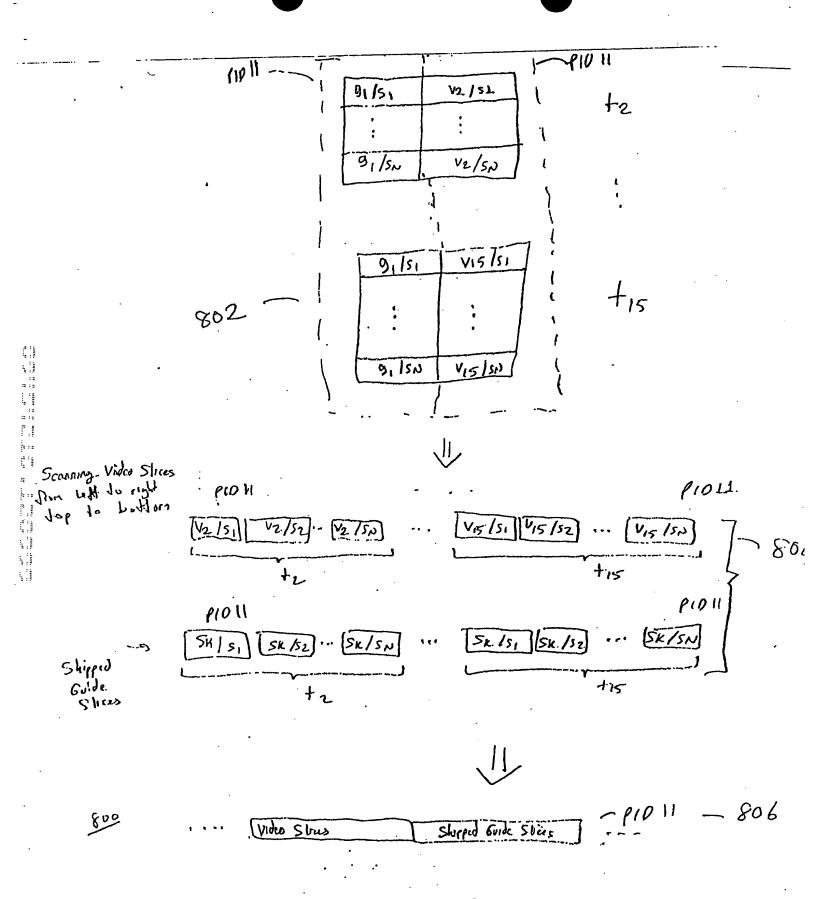
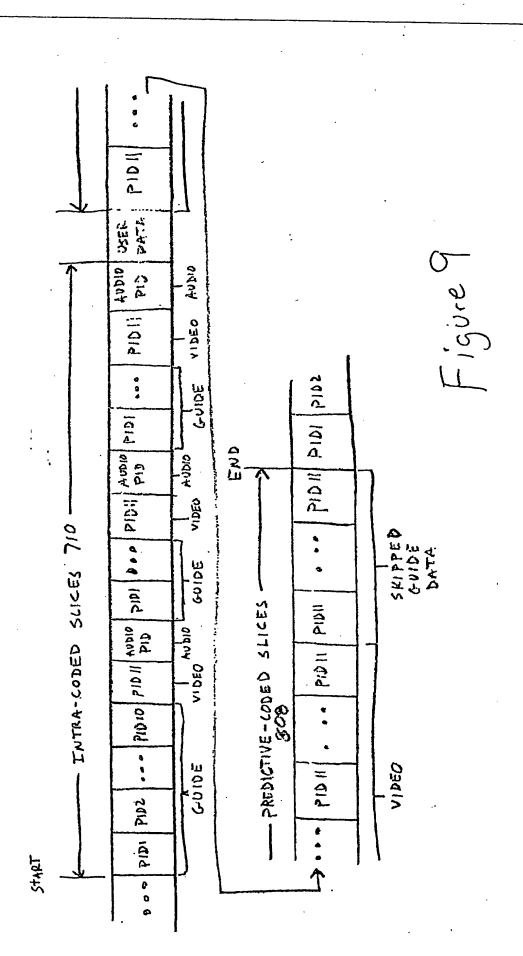


Figure 7



Figur 8



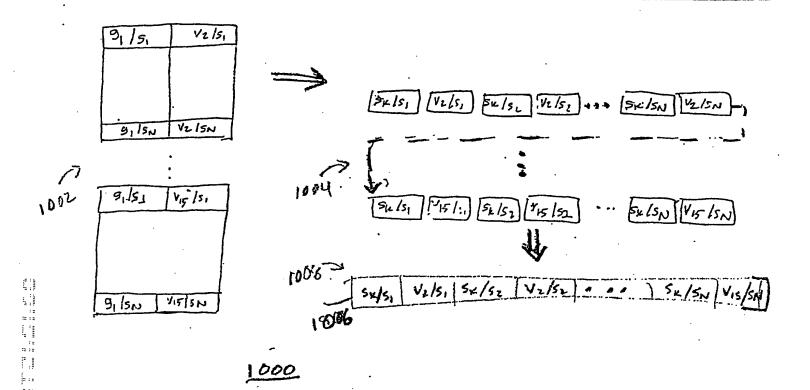
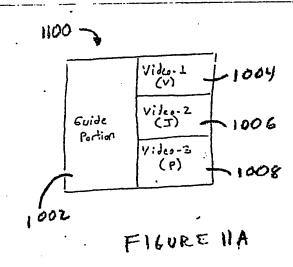


Figure 10



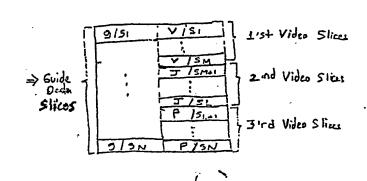
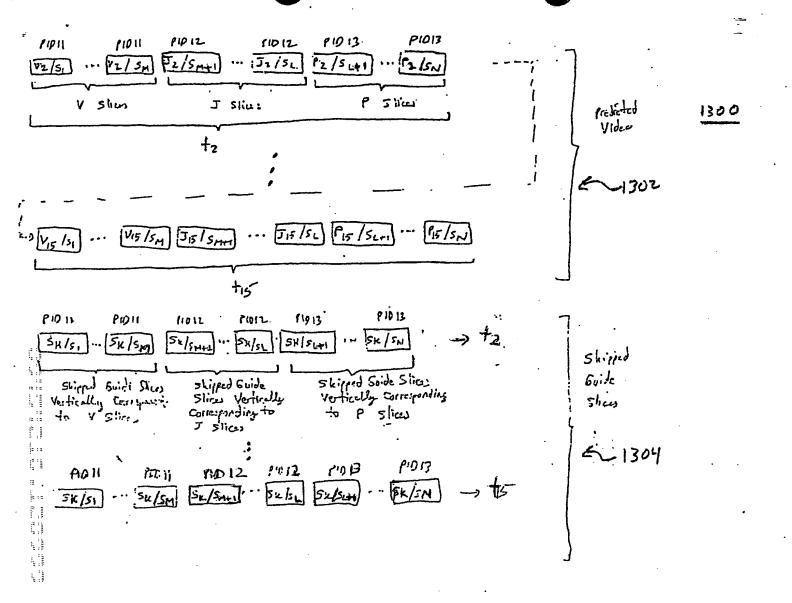


Figure 11'B

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P102 PIDII P1010 P 191 910/51 X/s, -: 9, 15, 92/51 Slices I to 1202 8102 P10 10 11011 F10 1 910/5M KISH 32/5 M 91/50 PIDIO P1012 PIOL - F151 1200 92/54+1 910/5mm 7/5mm? 31 See Slice. P1010 P1012 1102 B2/5L 1010 P1013 PIPI P102 > 9, 15 L.1 9, 15 L+ 910/5L+1 18/5L+1 Slias: 1-1 to PICIZ Cigi 11010 PIDZ 31/52 PILSN 910/54 92.150 1210 ... PID 10 PIDLE ... PID 1 ... PID 10 PID 12 . 6 10T Slices L-1 to N Slices Mal to L Sliw 14 M

Figure 12



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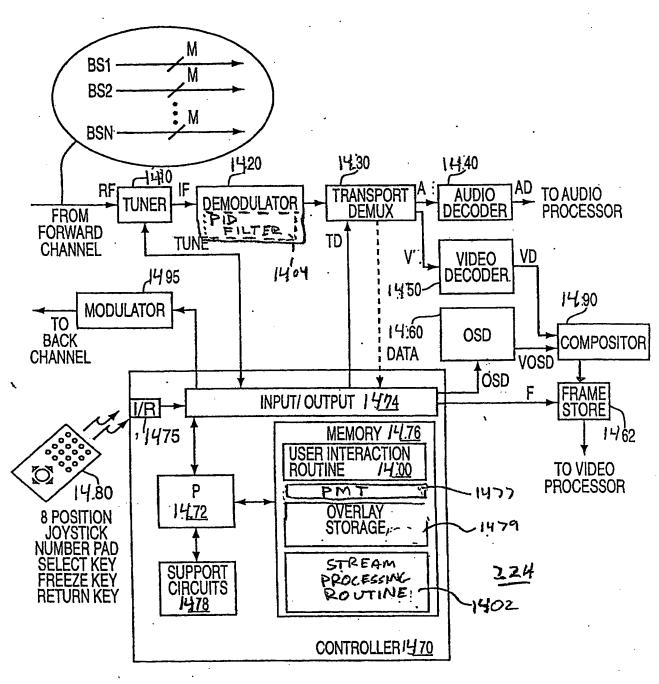
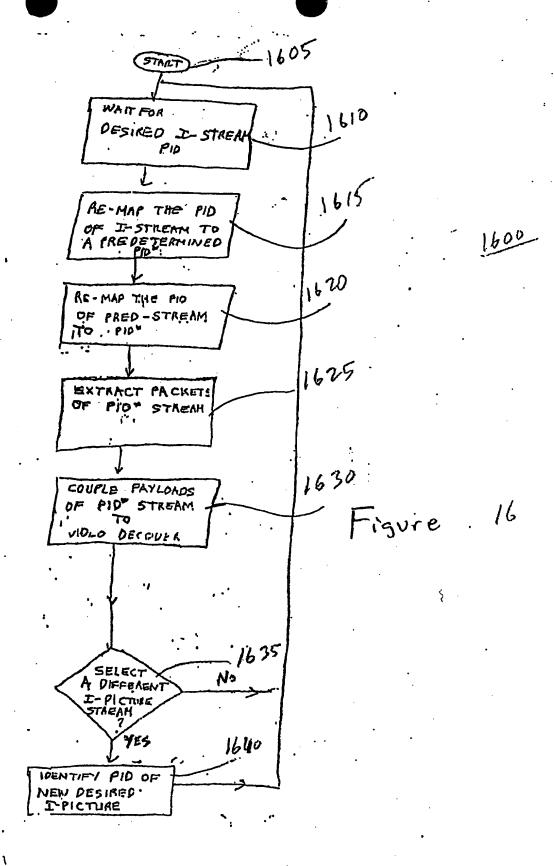


Figure 14

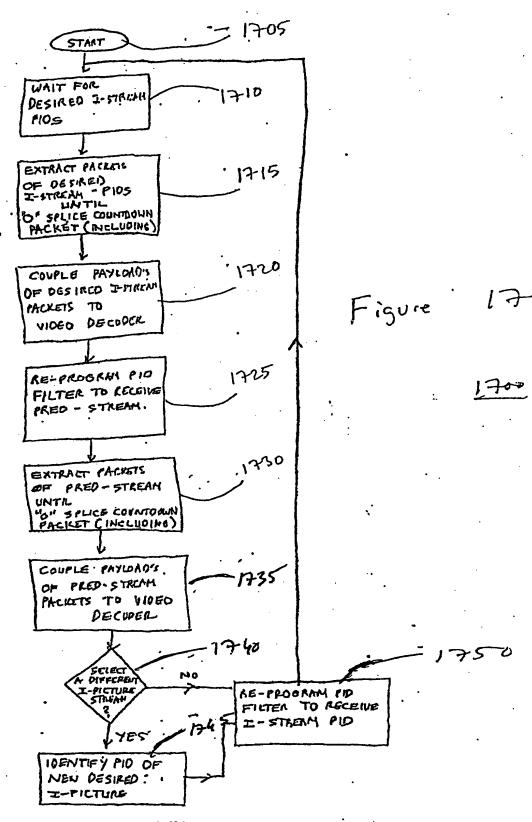
. 2::

Russ garde ager

Figure 15

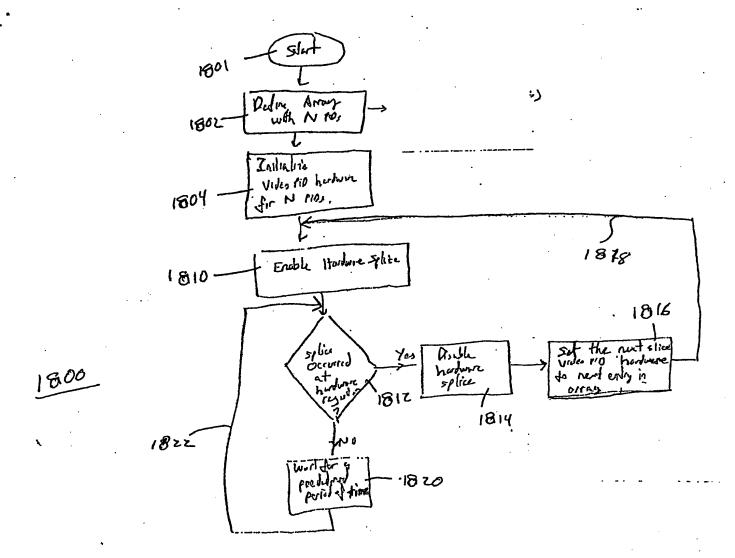


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Figure 18

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Intra-coded Guide and Video

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	·		چ <b>د بر</b>	_ ~ ~						2
- X	1 1 1 X X 15/51	M15/51	15/512	28/511	K15/52			K15/52 V15/8N	M15/5N	K15/817

Predicted Video

F19.20

, , ,		03 2	5 <b>년</b> ( )	210	7
PID 13	SK/SN	5K/5N		SK/SX	
PIDIZ	SK/SN SK/SN	SK/SN SK/SN SK/SN SK/SN		, SK/SN	
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PEDII	SK/S2	SK/52	Sk/52 Sk/52		514/52
PID 13	(S/ 4)	sk/51	SK/51	, <del>•</del>	sk/s1
PIDIZ	SK/SI	sk/51	SK/51	, . <del>-</del>	5K/S1 SK/S1
PID II	SK/51	sk/s1	SK/51		SK/51
time	X 2	K	X Y	, - ·	X 15

skipped Gulde Fig. 21

21/2 > Remux Transport Victeo Fraphics なるという > And to Packet Video 0122 and the first than the first than the first than the first that the first than th Excea.m for predictive for intra-coded video and utdeo guide and utdeo guide and utdeo PIDII to PIDIS PIDI to PID 13 0061 packets w, 4122 1/3/ K/SN Multiplexe 2208 2002 2012 - ( ) packets w/ 2nd fucketized Andio Stream. 1st Packetized Audio Stream 3rd Packetized Audio Stream tor predictive video and skipped PIDII to PID 13 goide at Ais 2015 3506 40 22 2022 packets wil 2115

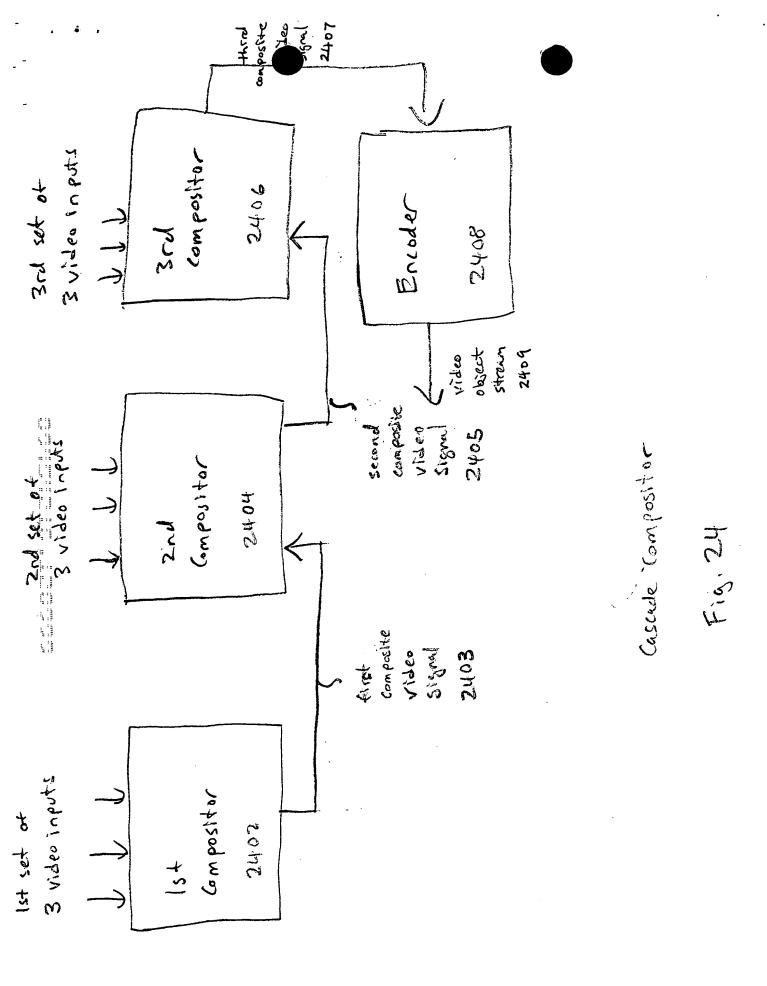
				<del>,</del>
03/51	03/5N 06/5N+1	06/52N	·	09/53N
02/51	1+NS SO	05/52N 08/52N+1	e 10 T	08/53N
15/10	14NS 40	04/52N	- • •	07 /53N

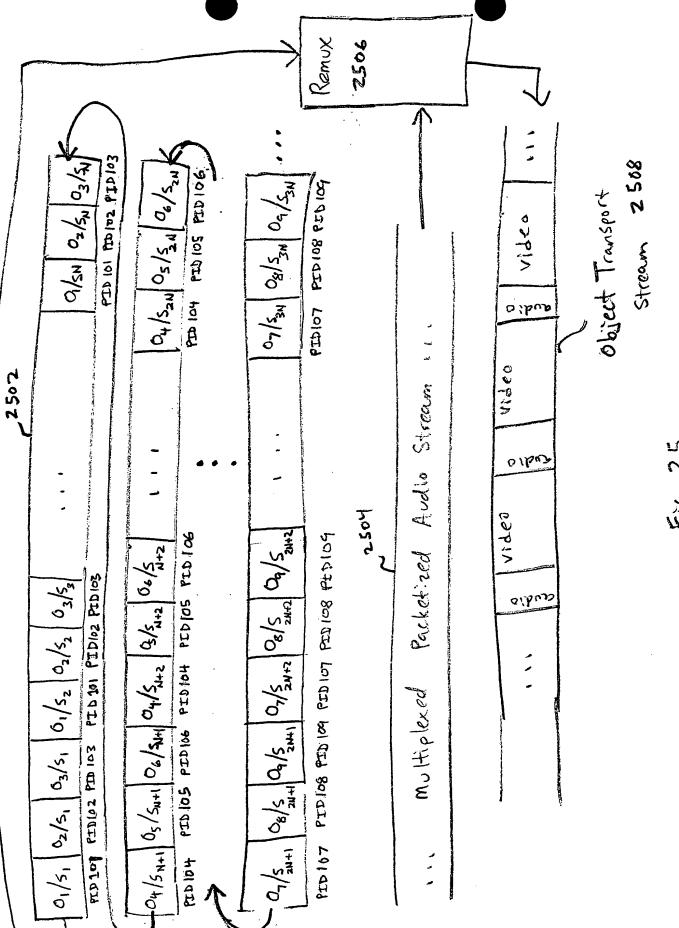
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slice - based	(a)

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objects (a)

· . - ;... Fig. 23





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Transport Streem 2508

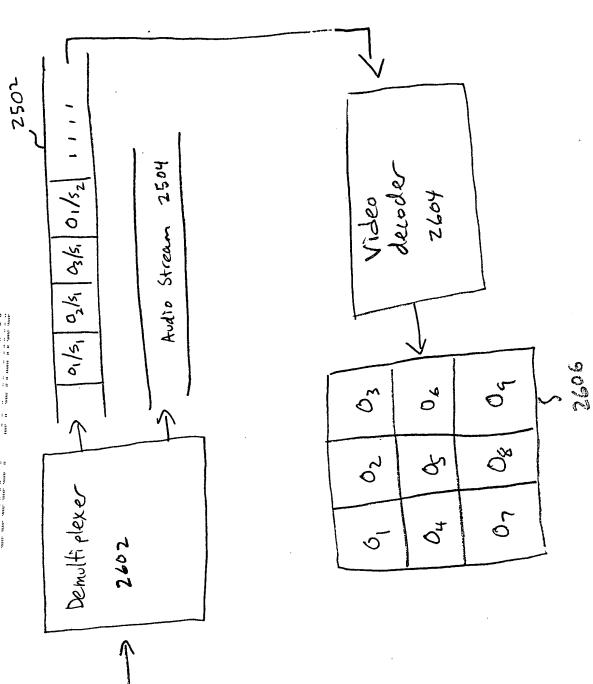
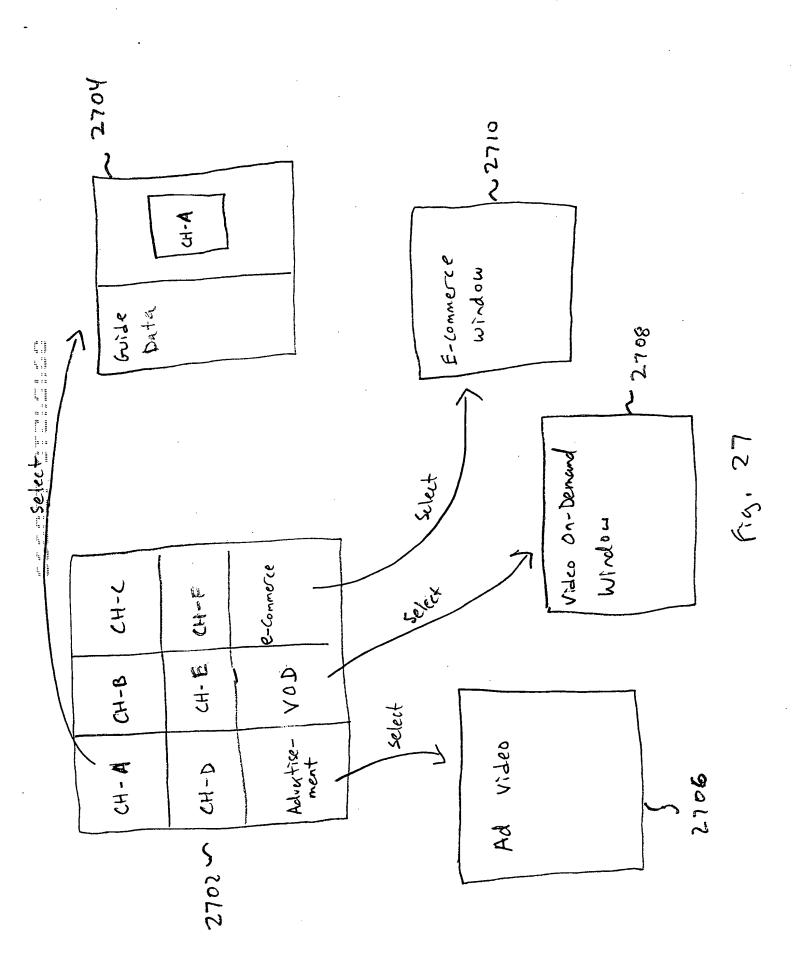
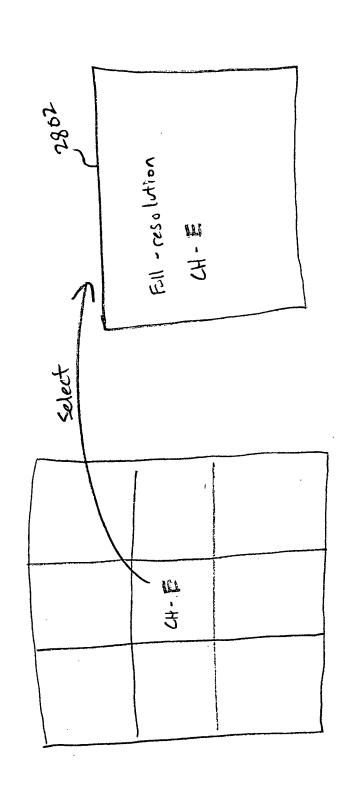


Fig. 26





	PID filter reprogrammed to receive packets for 0, (PID 10) and associated guide data (PID 1) 2906	Demox dencketizes  Sices for O, and associated guise data 2908
and and the second of the seco	User solects O, (CH-A)	Slice Recombined forms IPG page including CH-A and associated goide data
	Video Decoder outputs video object page including 9 objects	Video Deroder outputs IPG page

Fig, 29

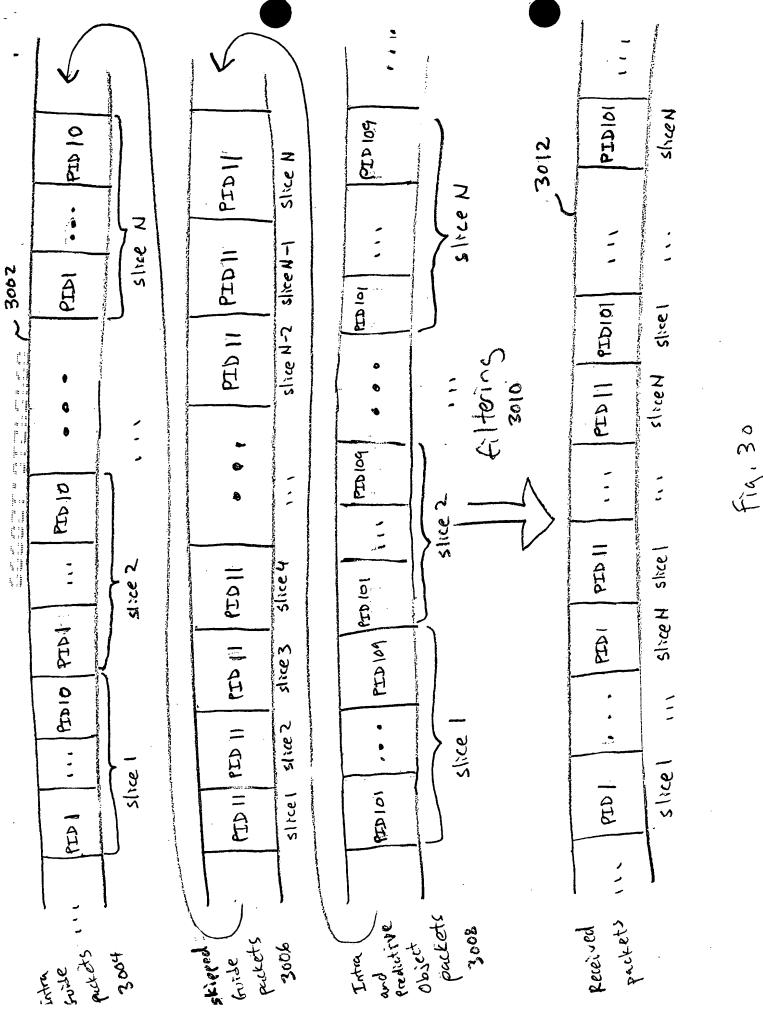


Fig. 30

गिक्राचा slice N PID 101 5174 PLVII SirceN डीउटर HATE Slice N PID | 5/166 PID packets perined

Slice Recombination 3102

	PED 101/51	25/1010Id	PID101/53	 PIE 101/SN
>	Per 11 /s1	PID11/52	PED 11 /53	PIBIL SN

PID 1/52 PID101/52

PED 101/51

PID 1/51

PED 101/53

PID-11/53

Predictive - Loded Frames

3106

Intra-Loded Frame 3104

PIDI/SN PIDIOI/SN

F19.31

